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नई दिल्ली, शनिवार, जुलाई 29, 2000 (श्रावण 7, 1922)

No. 311

NEW DELHI, SATURDAY, JULY 29, 2000 (SRAVANA 7, 1922)

इस माग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके [Separate paging is given to this Part in order that it may be filed as a separate compilation]

# भाग III—खण्ड 2 [PART III—SECTION 2]

े पेंटेन्ट कार्यालय द्वारा जारी की गई पेंटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस [Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

# THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 29th July 2000

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1 legraphic address "PATENTOFIC" Phone No. 578 2532 Fax No. 011 576 6204 Patent Office Branch. Wing 'C' (C-4, A), IIIrd Floor, Rajaji Bhavan, Besant Nagar, Chennai-600 090.

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Telegraphic address "PATENTOFIS" Phone No. 490 1495 Fax No. 044 490 1492.

Patent Office (Head Office), "NIZAM PALACE" and MS ?
Building, 5th, 6th and 7th
Floors, 234/4, Acharya Jagadish
Base Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS"

Phone No. 247 4401 Fax No. 033 247 3851

All applications, notices, statements or other documents or any fees required by the Patents Act 1970 and the Patents (Amendment) Act 1999 or the Patents Rules, 1972 as amended by The Patents (Amendment) Rules, 1999 will be received only at the appropriate offices of the Patent Office.

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# पेटन्ट कार्यालय

# एकरव तथा अभिकल्प

कलकत्ता, दिनांक 29 जुलाई 2000

पेटेंट कार्यालय के कार्यालयों के पर्न एवं क्षेत्राधिका?

पेटाँट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित हैं तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके पार्विशक क्षेत्राधिकार जान के आधार प्र निम्न इस में प्रदक्षित हैं:--

पॅटरेंट कार्यालय शाखा, टांडी इस्टरेंट, तीसरा तल, लांजर परले (प.), मुम्डाई-400013 ।

गुजरातं, महाराष्ट्र, मध्य प्रदेश तथा गोआ राज्य क्षेत्र एवं मंघ शासित क्षेत्र, दशन तथा दीव एवं वादर और नगर हदोनी ।

सार पता - "पैटाफिस"

फोन . 482 5092 फौक्स : 022 4950 622

पैटर्ट कार्यालय शाखा,

एकक सं. 401 से 405, तीसरा तल.

नगरपालिका बाजार भवन,

सरस्वती मार्ग, करौल बाग,

नर्ड दिल्ली-110 005 ।

हरियाण।, हिमाचल प्रदेश, जम्मू

तथा कश्मीर, पंजाब, राजस्थान,

उत्तर प्रदोश तथा दिल्ली राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ ।

नार पता - ''पेट टीफिक''

फोन : 578 2532 फीक्स : 011 576 6204

APPI ICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, WING C (C-4 'A'), III FLOOR. RAJAJI BHAVAN BESANT NAGAR. CHENNAI-600 090

# 24th April, 2000

- 306/Mas/2000. Sree Chitra Tirunal Institute for Medical Sciences and Technology. An apatitic bone cement composite with bioactive glass.
- 307/Mas/2000. Institute of Forest Genetics & Tree Breeding. A process for in vitro plantlet production of the bamboo, oxytenanthera stocksii.
- 308/Mas/2000. Indian Institute of Science, NED Energy Limited. A process for manufacture of ceria-supported platinum as hydrogen-oxygen recombinant catalyst in sealed batteries.
- 309/Mas/2000. (Prof.) Dr. Ravicanty Vimaladevi, (Prof.) Dr. Ravicanty Venkata Krishna Rao, Mr. Ravicanty Mihir, Miss. Ravicanty Jahnavi. A herbal safe and effective repellent spray for mosquitoes. 'Nomos'.
- 310/Mas/2000. Lucent Technologies Inc. Shaped fixed codebook search for celp speech coding. (April 28.

पैट**ंट कामोलय <b>धासा** , विंग ''सी'' (सी-4 , ए) ,

ीसरा तल, राजाजी भवन,

नधन्त नगर, चेन्नाई-600090 ।

आन्ध्र प्रदेश, कर्नाटक, करेल, तिमलनाड, निथा पाण्डिचेरी राज्य क्षेत्र एवं संघ शासित क्षेत्र, लक्षद्वीप, मिनिकाय निथा एमिनिदिवि द्वीप ।

तार पता-"पटेट टोफिस"

फीन : 490 1495 फीन्स 🛭 044 490 1492

पेटेंट कार्यालय (प्रभान कार्यालय), निजाम पैलेस, दिवनीय बह्तलीय कार्यालय भवन, 5, 6 तथा 7वां तल, 234/4, आचार्य जगदीश बीस मार्ग, कलकत्ता-700 020 ।

भारत का अवशेष क्षेत्र ।

तार पता - "पेटर्ट्स"

फोन : 247 4401 फ क्स : 033 247 3851

पेटोट अधिनियम, 1970 तथा पेटोट (संझाधन) अधिनियम, 1999 अथवा पेटोट (संझाधन) नियम, 1972 द्वारा अपिक्षित सभी आवेदन, सचनाएं, विवरण या अन्य दस्तावेज या कोई फीस पेटोट कार्यालय के केवल समृचित कार्यालय में ही प्रहण किये जायेंगे।

श्लक : श्ल्कों की अदायगी या तो नकद की जाएगी अधवा जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान के टान्सूचित वैक मे नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैंक ट्वारा की जा सकती है।

311/Mas/2000. MAC Power S.R.L. Hook means. (April 27, 1999; Italy).

# 25th April, 2000

- 312/Mas/2000. Vinu Soman. Ultra starters for low pressure mercury fluorescent lamp.
- 313/Mas/2000. Dr. Patell Villoo Morawala. An expressed sequence tag—A—9 generated from salinity resistant rice line using RNA differential display used as a sequenced marker for salinity tolerance.
- 314/Mas/2000. F Hoffmann-La Roche Ag. Process for the production of naturally folded and secreted proteins. (April 26, 1999; Europe).
- 315/Mas/2000, Owens-Illinois Closure Inc. Lined closure for containers of differing finish configurations. (April 27, 1999; US).
- 316/Mas/2000. Lucent Technologies Inc. Data session setup system for wireless network. (April 30, 1999. US).
- 317/Mas/2000. Tadayoshi Nagaoka. Column packing and method for manufacturing the same. (April 27, 1999: Japan).
- 318/Mas/2000. F Hoffmann-La Roche Ag. Process for preparing anti-osteoporotic agents. (April 26, 1999; US).

# 26th April, 2000

319/Mas/2000. Mavila Pathaya Purayil Raghunathan. Wick inserter (for round wick/for flat wick).

320/Mas/2000. Cheminor Drugs Limited. Method of preparing ondansetron base.

321/Mas/2000. Nilesh Dinesh Modi. A protective casing for electric conductors.

322/Mas/2000. Lilly Icos LLC. Articles for manufacture. (April 30, 1999; USA).

323/Mas/2000. K. P. Govindarajulu. A unique display system/rewind displays.

# 27th April, 2000

324/Mas/2000. F Hoffmann-La Roche Ag. Process for preparing spray granules containing riboflavin. (April 30, 1999; Europe).

325/Mas/2000. Owens -Illinois Closure Inc. Tamper-indicating closure with drainage features. (April 28, 1999; US).

326/Mas/2000. Siddaiah Sudharshan Naik. Exhaust pollution controlling system.

327/Mas/2000. Biocon India Limited. Novel process for the purification of compactin.

328/Mas/2000. Silicon Automation Systems Ltd. Technique for adaptive diversity combining for W-CDMA based on iterative channel estimation.

#### 28th April, 2000

329/Mas/2000. Lucent Technologies Inc. Antenna array system having coherent and noncoherent reception characteristics. (May 7, 1999; US).

National Phase Application for Patent Under PCT (Chapter-1) filed from 1-5-2000 to 31-5-2000

National Phase Application No. IN/PCT/2000/00038.

Date of Receipt 01 May 2000.

PCT Application No. PCT/IB99/01585.

PCT Filing Date 08 August 1999.

Applicant(s) & Inventor(s) FINEST INDUSTRIAL CO. LTD.

Title DISK PROTECTIVE ENCLOSURE.

Priority No. 09/150,278.

Priority Date 09 September 1998.

National Phase Application No. IN/PCT/2000/00039.

Date of Receipt 04 May 2000.

PCT Application No. PCT/DE99/02881.

PCT Filing Date 11 September 1999.

Applicant(s) & Inventor(s) PATENT-TRUHAND-GESEL-LSCHAFT FUR ELEKTRISCHE GLUHLAMPEN MBH.

Title FLAT LIGHTING DEVICE.

Priority No. 198 44 921.6.

Priority Date 30 September 1998.

National Phase Application No. IN/PCT/2000/000040

Date of Receipt 08 May 2000.

PCT Application No. PCT/DE99/02898.

PCT Filing Date 13 September 1999.

Applicant(s) & Inventor(s) PATENT-TRUHAND-GESEL-LSCHAFT FUR ELEKTRISCHE ETC.

Title GAS-DISCHARGE LAMP HAVING A CONTROLLABLE ILLUMINATED LENGTH.

Priority No. 198 44 725.6.

Priority Date 29 September 1998.

National Phase Application No. IN/PCT/2000/000041.

Date of Receipt 09 May 2000.

PCT Application No. PCT/EP99/00387.

PCT Filing Date 21 January 1999.

Applicant(s) & Inventor(s) KRONE GMBH.

Title SUPPORT BODY FOR AN ELECTRICAL CONTACT ARRANGEMENT.

Priority No. 19803 075.4.

Priority Date 28 January 1998.

National Phase Application No. IN/PCT/2000/000042.

Date of Receipt 10 May 2000.

PCT Application No. PCT/CA99/00902.

PCT Filing Date 30 September 1999.

Applicant(s) & Inventor(s) AIRBORNE INDUSTRIAL MINERALS INC.

Title METHOD OF AMMONIAM SULFATE PURIFICATION.

Priority No. 60/103,968.

Priority Date 13 October 1998.

National Phase Application No. IN/PCT/2000/00043.

Date of Receipt 15 May 2000.

PCT Application No. PCT/FR99/02205.

PCT Filing Date 16 September 1999.

Applicant(s) & Inventor(s) ISOVER SAINT-GOBAIN.

Title MINERAL WOOL COMPOSITION.

Priority No. 98/11607.

Priority Date 17 September 1998.

National Phase Application No. IN/PCT/2000/00044.

Date of Receipt 16 May 2000.

PCT Application No. PCT/AT99/00236.

PCT Filing Date 04 October 1999.

Applicant(s) & Inventor(s) STARLINGER & CO. GESEL-LSCHAFT M.B.H.

Title DEVICE FOR SEPARATING LINES OF MATERIAL WHICH ARE ARRANGED ON TOP OF EACH OTHER.

Priority No. A 1658/98.

Priority Date 05 October 1998

National Phase Application No. IN/PCT/2000/00045.

Date of Receipt 16 May 2000.

PCT Application No. PCT/AT99/00235.

PCT Filing Date 04 October 1999.

Applicant(s) & Inventor(s) STARLINGER & CO. GESEL-LSCHAFT M.B.H.

Title DEVICE FOR OPENING TUBULAR BAG SHAPES.

Priority No. A 1657/98.

Priority Date 05 October 1998.

National Phase Application No. IN/PCI/2000/00046.

Date of Receipt 16 May 2000.

PCT Application No. PCT/US99/24157.

PCT Filing Date 14 October 1999

Applicant(s) & Inventor(s) ULTRA INFORMATION SYSTEM LLC.

Title SYSTEM AND METHOD OF AUTHENTICATING A KEY AND TRANSMITTING SECURE DATA.

Priority No. 60/104,270.

Priority Date 14 October 1998.

National Phase Application No. IN/PCT/2000/00047.

Date of Receipt 16 May 2000.

PCT Application No. PCT/US99/24191.

PCT Filing Date 14 October 1999.

Applicant(s) & Inventor(s) AEGIS SYSTEMS INC.

Title SYSTEM AND METHOD OF SENDING AND RECEIVING SECURE DATA USING ANONYMOUS KEYS. Priority No. 60/104,270.

Priority Date 14 October 1998.

National Phase Application No. IN/PCT/2000/00048.

Date of Receipt 16 May 2000.

PCT Application No. PCT/US99/24038.

PCT Filing Date 14 October 1999.

Applicant(s) & Inventor(s) AEGIS SYSTEMS INC.

TITLE SYSTEM AND METHOD OF SECUTING A COMPUTER FROM UNATHORIZED ACCESS

Priority No. 60/104,270.

Priority Date 14 October 1998.

National Physic Application No. IN/FCT/2000/00049

Date of Receipt 19 May 0200.

rCT Application No. rCT/US99/24142.

PCT Fling Date 14 October 1999

Applicant(s) & Inventor(s) AEGIS SYSTEMS INC.

Tide SYSTEM AND METHOD OF SENDING AND RECEIVING SECURE DATA WITH A SHARED KEY.

Priority No. 60/104,270.

Priority Date 14 October 1998.

National Phase Application No. IN/PCT/2000/00050.

Date of Receipt 19 May 2000.

PCT Application No. OPCI/EP99/07796.

PCT Filing Date 06 October 1999.

Applicant(s) & Inventor(s) HOLLANDSE SIGNAALAP PARALEN B.V.

Title PROTECTION SYSTEM.

Priority No. 1010303.

Priority Date 13 October 1998.

National Phase Application No. IN/PCT/2000/00051.

Date of Receipt 22 May 2000.

PCT Application No. PCT/DE99/03600

PCT Filing Date 08 December 1998.

Applicant(s) & Inventor(s) SIEMENS AKTIENGESEL-LSCHAFT.

Title WIND POWER PLANT AND METHOD OF COOLING A GENERATOR OF A WIND POWER PLANT.

Priority No. 197 54 349.9.

Priority Date 08 December 1997.

National Phase Application No. IN/PCT/2000/00052.

Date of Receipt 23 May 2000.

PCT Application No. PCT/JP99/05641.

PCT Filing Date 13 October 1999.

Applicant(s) & Inventor(s) SHOWA CORPORATION.

Title METHOD AND DEVICE FOR ASSEMBLING HYDRAULIC SHOCK ABSORBER.

Priority No. 10-306417.

Priority Date 14 October 1998.

National Phase Application No. IN/PCT/2000/00053.

Date of Receipt 24 May 2000.

PCT Application No. PCT/US98/27299.

PCT Filing Date 22 December 1998.

Applicant(s) & Inventor(s) ELI LILLY AND COMPANY.

Title INSOLUBLE COMPOSITIONS FOR CONTROLLING BLOOD GLUCOSE.

Priority No. 60/068/601.

Priority Date 23 December 1998.

National Phase Application No. IN/PCT/2000/00054.

Date of Receipt 26 May 2000.

FCT Application No. PCT/US99/26423.

PCI Filing Date 09 November 1999.

Applicant(s) & Inventor(s) ADVANCED CARDIOVAS-ULAR SYSTEM INC.

Tide STENT HAVING NON-UNIFORM STRUCTURE.

Priority No. 09/191,043.

Priority Date 12 November 1998.

National Phase Application No. IN/PCT/2000/00055.

Date of Receipt 31 May 2000.

PCT Application No. PCT/JP99/05189.

PCT Filing Date 22 September 1999.

Applicant(s) & Inventor(s) KANEKA CORPORATION.

Tide PROCESS FOR THE PREPARATION OF N2-[1(S)-ARBOXY-3-PHENYLROPYL]-L-LYSYL-L-PROLINE.

Priority No. 10/268676.

Priority Date 22 September 1998.

National Phase Application No. IN/PCT/2000/00056.

Date of Receipt 30 May 2000.

PCT Application No. PCT/DE99/00030.

PCT Filing Date 11 January 1999.

Applicant(s) & Inventor(s) SIEMENS AKTIENGESEL-LSCHAFT.

Title A PROCESS AND SYSTEM FOR GENERATING AN INERTING GAS FOR FEEDING INTO A VESSEL AS WELL AS NUCLEAR INSTALLATION.

Priority No. 198 00 948.8.

Priority Date 13 January 1998.

# National Phase Application Filed in the Patent Office Branch Chennai for Patent under PCT (Chapter-1) from 1-3-Z000 to 31-3-2000

- 1. National Phase Application No. 1N/PCT/2000/00028 dated 2-3-2000.
- 2. Corresponding PCT Application No. PCT/EP99, 04781 dated 2-7-99.
  - 3. Priority Document No. France 9800153.
  - 4. Priority Document Date 17-7-98.
  - 5. Name of Applicant BIEN-AIR S.A.
  - 6. Title of Invention: Control device for an electric motor.
- 1. National Phase Application No. 1N/PCT/2000/00029/CHE dated 2-3-2000.
- 2. Corresponding PCT Application No. PCT/JP99/06139 dated 4-11-99.
  - 3. Priority Document No. Japan 11-107226.
  - 4. Priority Document Date 14-4-99
- 5. Name of Applicant ENOMOTO INDUSTRY CO.
- 6. Title of Invention: Chip conveyor and apparatus for separating and collecting chips.
- 1. National Phase Application No. IN/PCT/2000/00030/CHE dated 8-3-2000.
- 2. Corresponding PCT Application No. PCT/IB99/01334 dated 28-7-99.
  - 3. Priority Document No. South Africa 98/7125.
- 4. Priority Document Date 7-8-98
- 5. Name of Applicant IPCOR N.V.
- 6. Title of Invention: Apparatus and method for the secondary refinement of metals.
- 1. National Phase Application No. IN/PCT/2060/00031/CHE dated 10-3-2000.
- 2. Corresponding PCT Application No. PCT/EP99/04717. dated 2-7-99.
- 3. Priority Document No. Europe 98890203.7.
- 4. Priority Document Date 13-7-93.
- 5. Name of Applicant. KONINKLIJKE PHILIPS ELECTRONICS NV.
- 6. Title of invention: Date carreir with at least two demodulators for receiving ask signals of differing modulation index.
- 1 National Phase Application No. IN/PCT/2000/00032/CHE Dated 14-3-2000.
- 2. Corresponding Phase Application No. FCT/JP99/04229 dated 5-8-99.
- 3. Priority Document No. Japan 10/221495 & 11/158033.
- 4. Priority Document Date 5-8-98 & 4-6-99.
- 5. Name of Applicant KANEKA CORPORATION
- 6. Title of Invention: Process for the preparation of optically active 2-[6-(hydroxymethyl)-1, 3-Dioxan-4-Y-] Acetic Derivatives.
- 1. National Phase Application No. IN/PCT/2000/00033/CHE dated 14-3-2000.
- 2. Corresponding PCT Application No. PCT/EP99/04767 dated 7-7-99.
  - 3. Priority Document No. USA 09/116,769
  - 4. Priority Document Date 16-7-98.
- 5. Name of Applicant KONINKLIJKE PHILIPS LLECTRONICS N V.
- 6. Title of Invention . A histogram method for characterizing video content,

- 1. National Phase Application No. IN/PCT/2000,00034/CHE dated 20-3-2000.
- 2. Corresponding PCT Application, No. PCT/EP99/04777 dated 7-7-99.
  - 3. Priority Document No. Europe 98890215 1
  - 4. Priority Document Date 21-7-98.
- 5. Name of Applicant KONINKLIJKE PHILIPS ELECTRONICS N V.
- 6. Title of Invention: System for the transmission of data from a data carrier to a station by means of at least one other auxiliary carrier signal.
- 1. National Phase Application No. 1N/PCT/2000/00035/CHE dated 21-3-2000.
- Corresponding PCT Application No. PCT/US99/16404 dated 21-7-99.
- 3. Priority Document No. USA 09/119,666.
- 4. Priority Document Date 21-7-98 & 20-7-99.
- 5. Name of Applicant GAMBRO, INC.
- 6. Title of Invention: Method and apparatus for inactivation of biological contaminants using photosenstizers.
- 1. National Phase Application No. IN/PCT/2000/00036/ CHL dated 21-3-2000.
- 2. Corresponding PCT Application No. 2C1/lB99/01479 dated 27-8-99.
  - 3. Priority Document No. Swiss 1784/98 & 2259/98.
  - 4. Priority Document Date 1-9-98 & 11-11-98.
- 5. Name of Applicant CLARIANT FINANCE (BVI) LIMITED.
- 6. Title of Invention: Process for the production of phosphor organic compounds.
- i. National Phase Application No. EN/PCT/2000,00037/CHE dated 22-3-2000.
- 2. Corresponding PCT Application No. PCT/EP98/07998 dated 9-12-98.
  - 3. Priority Document No. Europe 97810981.7.
  - +. Priority Document Date 15-12-97.
- $^{5}$  Name of Applicant CIBA SPEC7ALLY CHEMICALS HOLDING INCO.
- 6. Title of Invention: Perylene imide monocarboxylic acids as colorants.
- 1. National Phase Application No. 1N/PCT/2000/00038/CHE dated 22-3-2000.
- 2. Corresponding PCT Application No. PCT/EP99/04165 dated 16-6-1999.
  - 3. Priority Document No. 98202163.6.
  - 4 Priority Document Date 27-6-98.
- 3. Name of Applicant MONTELL TECHNOLOGY COMPANY BV.
- 6. Title of Invention: Process for the production of polymer.
- 1. National Phase Application No. IN/PCT/2000/00039/CHE dated 22-3-2000.
- 2. Corresponding PCT Application No. PCT/EP99/04722 dated 3-7-99.
  - 3. Priority Document No. Europe 98202280.8.
  - 4. Priority Document Date 8-7-98.
- 5. Name of Applicant MONTELL TECHNOLOGY COMPANY BV.
- 6. Title of Invention . Process and apparatus for the gasphase polymerisation.

- 1. National Phase Application No. IN/PCT/2000/00040/CHE dated 23-3-2000.
- 2. Corresponding PCT Application No. PCT/EP99/05624 dated 3-8-99.
  - 3. Priority Document No. Italy 98A 001906.
  - 4. Priority Document Date 19-8-98.
  - 5. Name of Applicant MONTECH USA INC.
- 6. Title of Invention: Process for the production of heterophasic polymer compositions and compositions thus obtained.
- 1. National Phase Application No. IN/PCT/2000/00041/ CHE dated 23-3-2000.
- 2. Corresponding PCT Application No. PCT/EP99/05262 dated 23-7-99.
  - 3. Priority Document No. Europe 98202800.3.
  - 4. Priority Document Date 20-8-98.
  - 5. Name of Applicant MONTECH USA INC.
- 6. Title of Invention: Crystalline propylene copolymer compositions having improved sealability and optial properties and reduced solubility.
- 1. National Phase Application No. IN/PCT/2000/00042/CHE dated 24-3-2000.
- 2. Corresponding PCT Application No. PCT/IB99/01454 dated 29-7-99.
  - 3. Priority Document No. 09/135,812.
  - 4. Priority Document Date 18-8-98.
- 5. Name of Applicant MONTELL TECHNOLOGY COM PANY BV.
- 6. Title of Invention: Polypropylene composition useful for making solid state oriented film.
- 1. National Phase Application No. IN/PCT/2000/00043/CHE dated 24-3-2000.
- Corresponding PCT Application No. PCT/IB99/01459 dated 29-7-99.
  - 3. Priority Document No. USA 09/130,976.
  - 4. Priority Document Date 7-8-98.
- 5. Name of Applicant MONTELL TECHNOLOGY COMPANY BV.
- 6. Title of Invention: Improving the thermal oxidative stability of acrylic polymers.
- 1. National Phase Application No. IN/PCT/2000/00044/CHE dated 24-3-2000.
- 2. Corresponding PCT Application No. PCT/EP99,05338 dated 19-7-99.
  - 3. Priority Locument No. Europe 98202511.6.
  - 4. Priority Document Date 27-7-98.
- 5. Name of Applicant KONINKLIJKE PHILIPS ELECTRONICS N.A. & SONY CORPORATION.
- 6. Title of Invention: Encoding muliword information by wordwise interleaving.
- 1. National Phase Application No. IN/PCT/2000/00045/CHE dated 28-3-2000.
- 2. Corresponding PCT Application No. PCT/JP99/07197 dated 21-12-99.
  - 3. Priority Document No. Japan 11/157178 & 11/259149
  - 4. Priority Document Date 3-6-99 & 13-9-99.
- 5. Name of Applicant JAPAN AS REPRESENTED BY DIRECTOR GENERAL OF NATIONAL INSTITUTE OF SERICULTURAL AND ENTOMOLOGICAL SCIENCE MINISTRY OF AGRICULTURE, FORESTRY AND FISHERIES.
- 6. Title of Invention: Method for manufacturing crystalline superfine silk powder.

- National Phase Application No. IN/PCT/2000/00046/ CHE dated 29-3-2000.
- 2. Corresponding PCT Application No. PCT/EP99/04548 dated 1-7-99.
  - 3. Priority Document No. Europe 98202226.1.
  - 4. Priority Document Date 2-7-98.
- 5. Name of Applicant MONTELL TECHNOLOGY COMPANY BV.
- 6. Title of Invention: Process for the preparation of substantially amorphous alphaolefin polymers and compositions containing them and process for the preparation of bridged ligand.
- 1. National Phase Application No. IN/PCT/2000/00047/CHE dated 29-3-2000.
- Corresponding PCT Application No. PCT/DK99/00042 dated 28-1-99.
  - 3. Priority Document No. Denmark PA 1998 00130.
  - 4. Priority Document Date 30-1-98.
  - 5. Name of Applicant NOVO NORDISK AS.
  - 6. Title of Invention: An Injection Syringe.
- 1. National Phase Application No. IN/PCT/2000/00048/ CHE dated 30-3-2000.
- 2. Corresponding PCT Application No. PCT/CH99/00413 dated 7-9-99.
- 3. Priority Document No. Europe 98117034.3 & Swiss 2467/98.
  - 4. Priority Document Date 9-9-98 & 11-12-98.
- 5. Name of Applicant SIEMENS BUILDING TECHNOLOGIES AG.
  - 6. Title of Invention: Fire alarm and fire alarm system.

National Phase Application for Patent filed in The Patent Office Branih Chennai for Patent under PCT (Chapter-1) from 1-4-2000 to 30-4-2000.

- 1. National Phase Application No. IN/PCT/2000/00049 dated 3-4-2000.
- 2. Corresponding PCT Application No. PCT/EP99/04781 dated 7-7-99.
  - 3. Priority Document No. France 9809153.
  - 4. Priority Document date 17-7-98.
  - 5. Name of Applicant. BIEN AIR S.A.
- 6. Title of Invention: Control device for an electric motor.
- 1. National Phase Application No. IN/PCT/2000/00029/ CHE dated 2-3-2000.
- 2. Corresponding PCT Application No. PCT/JP99/06139 dated 4-11-99.
  - 3. Priority Document No. Japan 11-107226.
  - 4. Priority Document Date 14-4-99.
- 5. Name of Applicant, ENOMOTO INDUSTRY CO., LTD.
- 6. Title of Invention: Chip conveyor and apparatus for reparating and collecting chips.

- 1. National Phase Application No. IN/PCT/2000/00030/ CHE dated 8-3-2000.
- 2. Corresponding PCT Application No. PCT/IB99/01334 dated 28-7-99.
  - 3. Priority Document No. South Africa 98/7125.
  - 4. Priority Document date 7-8-98.
  - 5. N m aofeApplicant IPCOR N.V.
- 6. Title of Invention: Apparatus and method for the secondary refinement of metals.
- 1. National Phase Application No. IN/PCT/2000/00052/CHE, dated 12-4-2000.
- 2. Corresponding PCT Application No. PCT/CH98/00527 dated 9-12-98.
  - 3. Priority Document No. Sviss 2966/97.
  - 4. Priority Document date 23-12-97.
  - 5. Name of Applicant. FERAG AG.
- 6. Title of Invention: Method and device for storing transport elements.
- 1. National Phase Application No. 1N/PCT/2000/00053/ CHE dated 12-4-2000.
- 2. Corresponding PCT Application No. PCT/US99/18324 dated 12-8-99.
  - 3. Priority Document No. USA 09/135,502.
  - 4. Priority Document date 17-8-98.
- 5. Name of Applicant. GILAT SATELLITE NETWORKS LTD.
- 6. Title of Invention · Bi-Directional communications protocol.
- National Phase Application No. IN/PCT/2000/00054/ CHE dated 12-4-2000.
- 2. Corresponding PCT Application No. PCT/JP99/04452 dated 19-8-99.
- 3. Priority Document No. Japan, 233818/10, 359457/10 and 364187/10.
- 4. Priority Document date 20-8-98, 17-12-98 and 22-12-98.
- 5. Name of Applicant. IDEMITSU PETROCHEMICAL CO. LTD.
- 6. Title of Invention: Catalysts for olefin polymer production, method for producing them, and methods for producing olefin Polymers.
- 1. National Phase Application No. IN/PCT/2000/00055/CHE dated 12-4-2000.
- Corresponding PCT Application No. PCT/JP99/05280 dated 28-9-99.
  - 3. Priority Document No. Japan 300866/10.
  - 4. Priority Document date 22-10-98.
- 5. Name of Applicant. IDEMITSU PETROCHEMICAL CO. LTD.
- 6. Title of Invention: Process for producing bisphenol
- 1. National Phase Application No. IN/PCT/2000/00056/CHE dated 12-4-2000.
- Corresponding PCT Application No. PCT/CH98/00561 dated 29-12-98.
  - 3. Priority Document No. Swise 1997 2986/97.
  - 4. Priority Document date 30-12-97.
  - 5. Name of Applicant, FERAG AG.
- 6. Title of Invention: Apparatus for changing the position of objects conveyed in an overlapping stream.

- 1. National Phase Application No IN/PCT/2000/00057/ CHE dated 12-4-2000.
- 2. Corresponding PCT Application No. PCT/JP98/05514 dated 7-12-98.
  - 3. Priority Document No. Japan HEI 9-336803.
  - 4. Priority Document date 8-12-97.
- 5. Name of Applicant. MITSUBISHI DENKI KABUSHIKI KAISHA.
- 6. Title of Invention: Method and apparatus for processing sound signal.
- 1. National Phase Application No. IN/PCT/2000/00058/CHE dated 19-4-2000.
- 2. Corresponding PCT Application No. PCT/US98/26591 dated 15-12-98
  - 3. Priority Document No. USA 60/069, 904.
  - 4. Priority Document date 17-12-97.
  - 5. Name of Applicant, SOLUTIA INC.
- 6. Title of Invention: Pressure sensitive adhesive compositions.
- 1. National Phase Application No. IN/PCT/2000/00059/CHE dated 19-4-2000.
- 2. Corresponding PCT Application No. PCT/EP99/0900 dated 11-2-99.
  - 3. Priority Document No. German 19806038.6.
  - 4. Priority Document date 13-2-98.
  - 5. Name of Applicant BASF AKTIENGESELLSCHAFT.
- 6. Title of Invention: Separation of meleic anhydride from mixtures containing maleic anhydride by stripping.
- 1. National Phase Application No. IN/PCT/2000/00060/ CHE dated 19-4-2000.
- 2. Corresponding PCT Application No. PCT/US99/13045 dated 9-6-99.
  - 3. Priority Document No. USA 09/154,230.
  - 4. Priority Document date 16-9-98
- 5. Name of Applicant, MICHIGAN STATE UNIVER-
- 6. Title of Invention: Process for the preparation of Iso-flavones.
- 1. National Phose Application No. IN/PCT/2000/00061/ CHE dated 20-4-2000.
- 2. Corresponding PCT Application No. PCT/EP99/05356 dated 23-7-99.
  - 3. Priority Document No Italy MI98A 001823.
  - 4. Priority Document date 03-68-98.
- 5. Name of Applicant. MONTELL TECHNOLOGY COMPANY BV.
- 6. Title of Invention: Pre-polymerized catalyst components of the polymerization of olefins.
- 1 National Phase Application No. IN/PCT/2000/00062/CHE dated 24-4-2000.
- 2. Corresponding PCT Application No. PCT/EP99/05775 dated 6-8-99.
  - 3. Priority Document No. USA 09/138,782.
  - 4. Prioriy Document date 24-8-98.
- 5. Name of Applicant, KONINKLIJKE PHILIPS ELECTRONICS NV.
- 6. Title of Invention: Fmulation of streaming over the nternet in a broadcast application.

- 1. National Phase Application No. IN /PCT/2000/00063 CHE dated 24-4-2000,
- 2. Corresponding PCT Application No PCT/EP99/06163 dated 18-8-99.
  - 3. Priority Document No. GB 9818400.5.
  - 4. Priority Document date 25-8-98.
- 5 Name of Applicant. KONINKLIJKE PHILIPS ELECTRONICS NV.
  - 6. Title of Invention: Low if Receiver.
- 1. National Phase Application No. IN/PCT/2000/00064/ CHE dated 27-4-2000.
- 2. Corresponding PCT Application No. PCT/EP99/05778 dated 6-8-99.
  - 3. Priority Document No. Europe 98202895,3.
  - 4. Priority Document date 31-6-98.
- 5. Name of Applicant, KANINKLIKE PHILIPS ELECTRONICS NV.
- 6. Title of Invention: Wet shaver with retractile action.

## ALTERATION OF DATE

184284 filed on 3-7-91. 590/Del/91 Ante dated to 5-5-98. 184293 filed on 8-1-93. 15/Del/93 Ante dated to 19-4-89. 184294 filed on 8-1-93. 16/Del/93 Ante dated to 19-4-89. 184295 filed on 8-1-93. 17/Del/93 Ante dated to 19-4-89.

# COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned may, at any time within four months from the date of the issue or within such further period not exceeding one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition should be filed in duplicate alongwith evidence, if any, with said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patents (Amendment) Rules, 1999.

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# स्वीकत सम्पूर्ण विनिविक

एतद्द्वारा यह भुचना दी जाती है कि संबद्ध आवंदनों में से किसी पर पेटाँट अन्दान के विरोध करने के इच्छुक व्यक्ति, इसके निर्मा की तिथि से चार (4) महीने या अग्रिम एसी अविध जो उक्त चार (4) महीने की अविध की समाप्ति के पर्ध, पेटाँट (संक्षेत्र धन) नियम, 1999 के तहत चिहित प्ररूप 4 पर अगर आवंदिश हो, एक महीने की अविध से अधिक न हो, के भीतर कमी भी निर्माण का एकरून को उपयुक्त कार्यालय में एसे विरोध की सचना विहित प्ररूप 7 पर वे सकते हैं। विरोध मंदांधी निष्तित वक्त्य दो प्रतियों में साक्ष्य के साथ, यदि कोई हो, उक्त स्चान के साथ या पेटाँट (संशोधन) नियम, 1999 द्वारा संशोधित नियम 36 के तहत यथानिवन्ति उक्त स्चान के तिथि से 60 दिन के भीतर फार्डिन कर दिये जाने चाहिए।

# प्रत्यंक किनिय के संदर्भ में नीचे दिये वर्गी करण, आरतीय वर्गी करण तथा अन्तर्राष्ट्रीय वर्गी करण के अनुक्य हैं औ

जिनियदाँश तथा चित्र आरोस, शिद कोई हो, की अंकिस अतियाँ की अपिति पंटीट कार्यालय या उसके साक्षा कार्याक्यों डी विश्वित 30/- रुपण प्रति की अदायगी पर की जा सकती हो।

एसी पिरिस्थित में जब विविद्या की अंकित प्रति उपलब्ध मही हो, विविद्या तथा चित्र अरखे. यदि कोई हो, की फोटी पित्रों की आपींत पेटोट कार्यालय या उसके शाखा कार्यालयों दें स्थानिहिल फोटोप्रित शृल्क उपल इस्ताबंध के 10 रापये प्रति पृष्ठ धन 30/- रापये की अदायगी एर की जा सकती हैं।

Ind. Cl.: 32 F.

184281

Int. Cl. : C 07 C 65/05.

"AN IMPROVED PROCESS FOR THE PREPARATION OF 5-AMINO SALICYLIC ACID (5 ASA) FROM 5-NITRO SALICYLIC ACID (5-NSA).

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG. NEW DELHI-110001, INDIA. AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s): PAYYALLUR NARAYANAN ANANTHARAMAN—INDIAN. DEVANATH VASUDEVAN—INDIA AND SUBBIAH CHELLAMMAL—INDIAN.

Kind of Application: Provisional Complete.

Application for Patent No. 1206/Del/90 filed on 30th Nov. 1990.

Complete left after provisional specification filed on 10-01-92.

Appropriate Office for Opposition Proceedings Rule 4, (Patents Rules, 1972). Patent Office Branch. New Delhi-

#### 3 Claims

An improved process for the preparation of 5-amino salicylic acid from 5-nitro salicylic acid which comprises reducing electrolytically 5-NSA in unto 50% (v/v) anueous ethanolic solution, and 20% sulphuric acid using Ti/ceramic TiO<sub>2</sub> as cathode and lead anode at a current density in the

range of 1—6 A/dm² and at a temperature in the range of 32 + 1° C, under constant agitation cooling the resultant solution at about 20°C and filtering to remove suspended impurities, treating the filterate with activated char coal followed by treating with ammonia or ammonium bicarbonate to a pH value in the range of 3-4 to precipitate the amine filtering the amine and then washing with 1% meta bisulphice solution followed by drying.

(Compl. Specn. 5 pages;

Drgn. Nil sheet)

(Provnl. Specn. 6 Pages!

Drgn. Nil Sheet)

Ind. Cl.: 39 a.

184282

Int. Cl. : B 01 F 11/10.

A PROCESS FOR OBTAINING A SULPHATE OF BARIUM OR STRONTIUM.

Applicant: KALI CHEMIE AG., A GERMAN BODY CORPORATE OF HANS-BOCKLER ALLEE 20, POST-FACH 220, D-3000 HANNOVER 1, FEDERAL REPUBLIC OF GERMANY.

#### Inventors:

- 1. PAUL GAGER- WEST GERMANY
- 2. HANS HERMANN RIECHERS-WEST GERMANY
- 3. KARL KOHLER-WEST GERMANY
- 4. MARTIN WULFF-WEST GERMANY

Application for Patent No. 388/Del/91 filed on 01-05-91.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

#### 13 Claims

A process for obtaining a sulphate of barium or strontium from a residue containing barium sulphide or strontium sulphide obtained from leacning of ores which process comprises the steps of:

- 1. reacting said residue with hydrochloric acid containing 25—32% by weight of HC1 and suphuric acid containing 80—100% by weight of HeSO<sub>3</sub> at a temperature of from 60°C up to the boiling point of the acid solution, thereby to form an acid solution and a solid containing barium sulphate or strontium sulphate;
- (ii) separating said barium or strontium sulphate from said acid solution in any conventional manner, and optionally, if desired;
- treating the barium sulphate or strontium sulphate separated off in step (ii) with an aqueous alkali solution to form an alkaline extract solution and an extraction residue containing barium sulphate or strontium sulphate and then separating to obtain aid extraction residue in any known manner of the kind such as here in before described.

Compl. Specn. 14 pages

Drgns. nil sheet

Ind, Cl.: 60D

184283

Int, Cl.4: B 21 F 1/00

AN APPARATUS FOR PLEATING A LAMINA.

Applicant: THE PROCTER & GAMBLE COMPANY. A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO 45202, UNITED STATES OF AMERICA.

#### Inventors :

CHARLES WILBUR CHAPPELL—U.S. \, , JOHN JOSEPH ANGSTADT—U.S. \.

2-177 GI/2000

Application for Patent No. 476/Del/91 filed on 03-06-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-

#### 7 Claims

An apparatus for pleating a lamina such as herein described having two edges and a centerline, said apparatus comprising in series:—

- a spool for supplying a lamina;
- a first straight axis roll:
- a first curved axis roll having ends, a stationary axis of curvature, and a first radius of curvature;
- a second curved axis roll having ends, a stationary axis c<sub>1</sub> curvature, an axially rotatable sleeve having a plurality of circumferentially oriented grooves therein, and a second radius of curvature, said second radius of curvature being selected based on the final pleated width of the lamina;
  - a second straight axis roll; wherein

the ends of said first curved axis roll being arranged relative to the ends of said second curved axis roll to form a distance span, said distance span and said first radius of curvature being adjusted relative to said second radius of curvature such that the aggregate of the paths of travel of an edge of the lamina from said first straight axis roll to said second straight axis roll is substantially equal the aggregate of the paths of travel of the centerline of the lamina from said first straight axis roll to said second axis roll and optionally third axis roll just a posed with the second roll so as to facilitate passage of lamina through the apparatus.

Compl. Specn. 42 pages

Drgns. 4 sheets

ind. Cl.: 157A-2

184284

Int. Cl.<sup>1</sup>: B 61L 1/18

A DEVICE FOR OPERATING A RAIL ROAD SWITCH.

Applicant: GEC ALSTHOM SA, A FRENCH BODY CORPORATE OF 38 AVENUE KLEBER, E5116 PARIS, FRANCE.

Inventor: FRANCIS CARMES—FRANCE.

Application for Patent No. 590/Del/91 filed on 03-07-91.

Divisional out of Patent Application No. 396/Del/88 05-05-88.

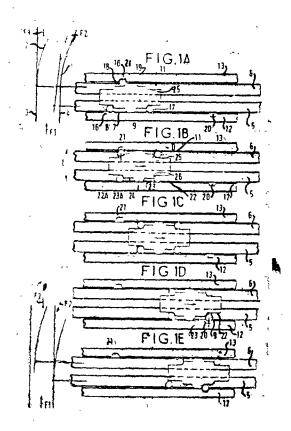
Ante Dated to 05-05-88.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

## 6 Claims

A device for operating a rail road switch constituted by two moving blades, namely a right point blade (1) and a left point blade (2), one of said blades (1 or 2) touching and the other of said blades not touching its respective backing rail (4, 3), both of said blades (1, 2) being locked, said device having a single drive rod (30) which is perpendicularly connected to both of said point blades (1, 2) in the vicinity of their respective tips, a carriage (7) axially movable between a locking plate (31) and a fixed guide wall (36) which are fixed to a frame, (36) said drive rod (36) being situated between the locking plate (31) and the carriage (7) and being at least partially received in a longitudinal groove of the carriage, (7) said drive rod (30) being provided with two cylindrical vertical floating pegs (10, 11) extending perpendicularly to said longitudinal groove and each being received in a notch (18, 19) provided in the rod (30) the locking plate (31) having two vertical recesses (32, 33) with sloping side walls flaring away from

the bottom of the recess towards its opening, with the depth of the recess being no greater than one-half the diameter of a floating peg, (10 or 11) and wherein the width of the gap between said locking plate (31) and said carriage (7) is stepped over three distinct levels comprising; at each end of the carriage, (7) a first gap of size XI equal to not less than the diameter D of one of said floating pegs; (10, 11) followed on each side thereof going axially towards the middle of the carriage (7) by a second gap of size X2 which is less than D and not less than 1/2 D; and finally in the middle of the length of the carriage by (7) a third gap which is less than the gap of size X2, with the transition between the gap of size X1 to the gap of size X2 taking place via a slopping vertical wall of the carriage, (7) the distance between the two notches (18, 19) of the driver of (30) being not less than the length of the central portion of the carriage (7) for which said gap is less than X2, plus the total length of the two portions of the carriage (7) for which said gap is see than the length of said central portion plus the length of one of the two portions of the carriage (7) for which said gap is X2 plus the length of one of the two portions of the carriage (7) for which said gap is X2 plus the length of one of the two portions of the carriage (7) for which said gap is X2, said carriage (7) being associated with motor means (40) for driving it in axial translation.



Compl. Specn. 16 pages

Drgns. 8 sheets

Ind Cl.: 39 B

184285

Int. Cl.4: C 22 B 26/00.

A PROCESS FOR THE PREPARATION OF NOVEL COMPOSITE CATALYSTS USEFUL FOR OXIDATIVE CONVERSION OF METHANE (OR NATURAL GAS) TO CARBON MONOXIDE AND HYDROGEN (OR SYNTHESIS GAS) IN PRESENCE OF FREE OXYGEN.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, NEW DELHI-110001, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors:

VASANT RAMCHANDRA CHOUDHARY—INDIA. AMARJEET MUNSHIRAM RAJPUT—INDIA, SUBHASH DWARKANATH SANSARE—INDIA. BATHULA PRABHAKAR—INDIA and AJIT SINGH MAMMAN—INDIA.

Application for Patent No. 652/Del/91 filed on 19th July. 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

#### 9 Claims

A process for the preparation of novel composite catalysts useful for oxidative conversion of methane (or natural gas) to carbon monoxide and hydrogen (or synthesis gas) in presence of free oxygen, represented by the formula: TmAOn wherein T is transitional element selected from Ni, Co, Pd, Ro, Rh, Ir, or a mixture thereof, m (which is equal to T/A mole ratio) is from 0.01 to 100, A is alkaline earth element chosen from Mg, Cz, Ba, Sr or a mixture thereof, O is oxygen and n is number of oxygen atoms needed to fulfil the valance requirement of the transitional and alkaline earth element in the catalyst, which comprises (i) mixing thoroughly one or more finely ground transitional metal compounds represented by the formula: TXn wherein T is transitional element selected from Ni. Co, Pd, Ru, Rh, Ir or like; X is selected from No, CH, COO, OH, O, CO. Cl and a is number of X required to fulfil the valance requirement of the transitional element, and one or more finely ground alkaline earth metal compounds represented by the formula: As. Y wherein A is alkaline earth element selected from Mg, Ca, Ba, Sr or like, y is selected from NO., OH, O, CO<sub>3</sub>, CH<sub>3</sub> Coo or like, and b is number of Y required to fulfil the valance requirement of alkaline earth element, with T/A mole ratio of about 0.01 to about 100, with or without water just sufficient to make a thick paste (ii) heating the mixture to dryness at a temperature of about 80° to 250°C in air or under vacuum, (iii) decomposing the said dried mass to their oxides at a temperature of about 400°C to 1200°C in presence of air or inert gas under vacuum for about 0.5 to 50 hvs (iv) powdering the decomposed mass, then making by known methods catalyst pellets, extrudes or grantles of required size, and (v) calcining the catalyst at a temperature of about 400°C to 1500° in presence of air, inert gas or their mixture or under vacuum for about 0.1 to 100 hvs.

Compl. Speen. 30 pages

Drgns. Nil sheet

Ind. Cl.: 32

184286

Int. Cl. : C 01 B-3/00 + C 10 J

AN IMPROVED PROCESS FOR THE PRODUCTION OF SYNTHESIS GAS BY OXIDATIVE CONVERSION OF METHANE USING COMPOSITE CATALYST CONTAINING TRANSITIONAL AND ALKALINE EARTH METAL OXIDES.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA (AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT, XXI OF 1860).

Inventors:

VASANT RAMCHANDRA CHOUDHARY—INDIA AMARIEET MUNSHIRAM RAJPUT—INDIA SUBHASH DWARKANATH SANSARE—INDIA BATHULA PRABHAKAR—INDIA and AJIT SINGH MAMMAN—INDIA.

Kind of Application: Complete

Application for Patent No. 653/Del/91 filed on 19th July. 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

#### 14 Claims

An improved process for the production of synthesis gas by oxidative conversion of methane using composite catalyst containing transitional and alkaline earth metal oxide, which comprises passing continuously a gaseous reactant mixture comprising methane (or natural gas) and oxygen (or air) with or without water vapours over composite catalyst, containing transitional and alkaline earth metal oxides such as here in described at a pressure in the range of 0.5—50 atm, temperature in the range of 2000—1000°C, gas hourly space velocity in the range of 103 to 103 cm<sup>3</sup> g-1 h-3, CH<sub>4</sub> (or natural gas)/o<sub>2</sub> mole ratio in the feed in the range of 1.5-10, H<sub>2</sub>o/CH<sub>4</sub> (or natural gas) mole ratio in the range of 0.3.10 and separating the synthesis gas & other components from the product stream by known methods.

Compl. Specn. 26 pages

Drgns. Nil sheets

Ind. Cl.: 170B & D

184287

Int. Cl.4: C 11D 1/00

A METHOD FOR PREPARING AN IMPROVED OLI-GOMERIC ESTER SOIL RELEASE AGENTS.

Applicant: THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO 45202, UNITED STATES OF AMERICA.

#### Inventors:

ROBERT YA LIN PAN—U.S.A. EUGENE PAUL GOSSELINK—U.S.A., EUGENE JOSEPH PANCHERI—U.S.A., STEPHEN WILLIAM MORRALL—U.S.A.

Application for Patent No. 784/Del/91 filed on 28-8-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-116005.

# 7 Claims

A method for preparing an improved oligomeric ester soil release agent for granular laundry detergent applications characterized in that it comprises reacting together.

(a) a mixture of oligomerizable monemers,  $MO_3SC_6H_4C(O)$ —. the functions having  $M'O_3SC_6H_3(C(O)O-)_2$ ,  $-(O)CC_6H_4C(O)$  and -OCH2CH2O- wherein M and M' are independently selected from lithium, potassium and sodium; said mixture having a mole ratio of  $MO_3SC_6H_4C(O)$ — to  $-(O)CC_6H_4C(O)$ — of from 0.2:1 to 1.4:1, a mole ratio of  $MO_3SC_6H_4C(0)$  to M'O<sub>3</sub>SC<sub>6</sub>H<sub>3</sub>(C(O)O)<sub>2</sub> of from 0.67:1 to 20:1; and a male ratio of MO<sub>3</sub>SC<sub>6</sub>H<sub>4</sub>C(O)—to —OCH<sub>2</sub> CH2O- from 0.007:1 to 0.51:1; said mixture being substantially free from monomers of formula HOROH wherein R contains 3 or more carbon atoms; and

(b) transesterifying and oligomerizing said mixture, in the presence of a catalyst as herein described to a completion index of 2.5 or higher.

(Compl. Specn, 35 pages;

Drgn. sheet Nil).

Ind. Cl.: 130A

184288

Int. Cl. : C 22B 3/00, A 24B 15/08.

A PROCESS FOR THE SELECTIVE EXTRACTION OF GOLD AND SILVER FROM CHALCOPYRITE CONCENTRATES THROUGH COMBINED PRESSURE THIOUREA LEACHING.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

#### Inventors:

DAITA SREERAMA CHANDRA MURTHY—INDIA, MANIKLAL DEY—INDIA, DWARKANATH DATTARAM AKERKAR—INDIA, SARVESH BEHARI MATHUR—INDIA, SUDHIR KUMAR ROY CHOUDHURY—INDIA.

Application for Patent No. 866/Del/91 filed on 18-9-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

#### 6 Claims

A process for the selective extraction of gold and silver from chalcopyrite concentrates through combined pressure thiourea leaching, which comprises:—

- (i) Preparing a slurry of the chalcopyrite concentrates in water containing thiourea and ferric sulphate,
  - (ii) Feeding to the slurry into an autoclave,
  - (iii) Heating of the autoclave and passing into it,
- (iv) Carrying out the pressure leaching at temp. 150 to 200°C & at a pressure in the range of 5 to 20 atom of the chalcopyrite concentrates,
- (v) Cooling of the autoclave to room temperature and pressure,
- (vi) Filtration of the slurry to separate the solids (unreacted chalcopyrite) and the leach liquor containing gold and silver for further processing for the recovery of gold and silver by any known method.

(Compl. Specn. 10 pages;

Drgn. sheet nil).

Ind. Cl.: 61A B G H

184289

Int. Cl.1: A 47K 10/48

PROCESS AND APPARATUS FOR THE MANUFACTURE OF DRIED AND DECARBONATED ATMOSPHERIC AIR BY ADSORPTION.

Applicant: L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE OF 75, QUAI D'ORSAY-7532 i PARIS CEDEX 07 (FRANCE).

#### Inventors:

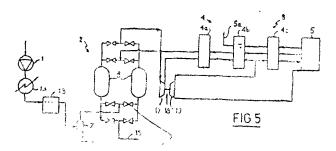
MAURICE GRENTER—FRANCE, SOPHIE GASTINNE—FRANCE, PIERRE PETIT—FRANCE, FRANCOIS VENET—FRANCE. ا مندي

Appropriate Office for Opposition Proceedings (Rule 4. Patents Rules, 1972), Patent Office Branch, New Delhi-

## 7 Claims

Process for the manufacture of dried and decarbonated atmospheric air by adsorption collected in the distillation apparatus for producing inter alia oxygen or nitrogen comprising:—

- comprising the feed atmospheric air;
- cooling compressed air to an adsorption temperature (TA) and optionally warning the said cooled compressed air;
- purifying the said cooled compressed air by adsorption by passing through it a residual gas at a regeneration temperature (TR) in the first direction through a mass of adsorbent material of the kind such as herein before described; and thereafter;
- passing the said residual gas through the mass of adsorbent material in the opposite direction to regenerate same wherein the said mass of adsorbent material is maintained at a phase of adsorption, characterised in that said residual gas used for regeneration is, during the entire regeneration, at a substantially constant moderate regeneration temperature (TR), above the temperature of the air which penetrates into the mass of adsorbent material, the duration of a cycle of adsorption and regeneration is at least equal to 30 minutes, the regeneration temperature (TR) is between 30°C and 35°C and is higher than the temperature of the air leaving the mass of adsorbent material and the difference between the temperature of regeneration (TR) and the temperature of adsorption (TA) does not exceed 50°C.



Compl. Specn. 13 pages

Drgns. sheet 2

Ind. Cl.: 170D

184290

Int. Cl.4: C 11D 13/00

A PROCESS FOR PREPARING N-ALKYL POLY-HYDROXY AMINES UNDER NON-OXIDIZING CONDITIONS.

Applicant: THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI. STATE OF OHIO 45202, UNITED STATES OF AMERICA.

Inventor(s):

ROBERT EDWARD SHUMATE—U.S.A., DANIEL STEDMAN CONNOR—U.S.A., JEFFREY JOHN SCHEIBEL—U.S.A., JAMES C.T.R.B. ST. LAURENT—U.K.

Application for Patent No. 934/Del/91 filed on 26-09-91

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office Branch, New Delhi-110005.

## 11 Claims

A process for pheparing N-alkyl polyhydroxy amines, carried out under non-oxidizing conditions comprising the steps of:—

- (a) reacting at a temperature of from 0°C to 80°C, a reducing sugar derivative with a primary amine at mole ratios of amine: sugar not greater than about 7:1 in an organic hydroxy solvent to provide an adduct;
- (b) reacting at a temperature of from 40°C to 120°C, said adduct from step (a) with hydrogen under mild conditions as herein described, said adduct being substantially free from unreacted amine starting material and said adduct being dissolved in said solvent, in the presence of a catalyst; as herein described; and
- (c) removing said catalyst and substantially removing the water in the reaction mixture to secure the Nalkyl polyhydroxy amine.

Compl. Speen. 22 pages

Drgns. sheet nil

Ind Ci.: 107 BG

184291

Int. Cl.4: F 01C 1/00

RADIAL PISTON ENGINE,

Applicant: PAUL PLEIGER MASCHINENFABRIK GMBH & CO. KG., OF POSTFACH 32 63. D-5810 WITTEN 3, HERBEDE, GERMANY.

Inventor(s): MATTIAS SZEWCZYK—GERMANY.

Application for Patent No. 1239/Del/91 filed on 16-12-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-

# 4 Claims

Radial piston engine having pistons sliding on circumference of an eccentric, said pistons execute a swivelling motion upon the rotational motion of said eccentric, said pistons being in engagement with a guide body, said guide body bears on the radially outer side by a radially outwardly convex spherical-annular bearing face against a concave spherical-annular bearing face in a housing or cylinder cover whereby it is able to swivel, characterized in that said guide body (2) is provided with an upper end face (8) on which pressure medium applies and the hydraulically effective plane (de) of which, running perpendicularly to the longitudinal axis of said guide body (2) lies in the area of said bearing face (5) on the housing (6) or intersects the said face in every swivelling piston of said piston (3).

Compl. Specn. 11 pages

Drgns. 4 sheets

Ind. Cl.: 32.

184292

Int. Cl.4: H 01 J, 31/00

AN IMPROVED PROCESS FOR THE PREPARATION OF Ti/CFRAMIC TiO2 CATHODE USEFUL IN THE REDUCTION OF NITRO COMPOUNDS.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RE-SFARCH. RAFI MARG NEW DELHI-110 001. INDIA. AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT VCT XXI OF 1860). Inventors:

PAYYALLUR NARAYANAN ANANTHARAMAN— INDIAN.

DEVANATH VASUDEVAN—INDIAN and CINGRAM RAVICHANDRAN—INDIAN.

Application for Patent No. 260/Del/92 filed on 25th March, 1992.

Complete left after Provisional Specification filed on 31-03-1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-

#### 4 Claims

A process for the preparation of Ti/ceramic 1iO<sub>2</sub> cathode useful in the reduction of nitr. compounds which comprises (a) cleaning a titanium expanded metal ceramic 1iO<sub>2</sub> sheet by known methods, (b) etching the cleaned sheet by known methods using an acid (c) coating the said etched sheet with a solution consisting of titanium acetyl acetonate or titanium butylbutanoate, nitric acid or HCl, water and isopropanol, (d) drying the coated sheet and (e) firing at a temperature in the range of 450 to 550°C for a period of 5—10 minutes.

Provisional Specification 5 pages Compl. Specn. 8 pages Drgns, sheet Nil Drgns, sheet nil

Ind. Cl.: 32 E

184293

Int. Cl.4: C 08F 220/64

A PROCESS FOR THE PREPARATION OF ALKYL ACRYLATE COPOLYMERS AS FLUIDITY IMPROVERS AND WAX DEPOSIT INHIBITORS.

Applicant:

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventors:

KOSURU VENKATESWARA RAO—INDIA, SHASHI DHAR BARUAH—INDIA, ARUN BORTHAKUR—INDIA. SUBHASH RANJAN DUTTA CHOUDHURY— INDIA, NARAYAN CHANDRA LASKAR—INDIA,

BULUSU SUBRAMANYAM—INDIA.

Application for Patent No. 15/Del/93 filed on 08-01-93.

Divisional out of Patent Application No. 348/Del/89 filed on 19-04-89.

Ante Dated to 19-04-89.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch. New Delhi-110005.

# 6 Claims

A process for the preparation of n-alkyl acrylate copolymers having an average molecular weight of 700—500,000 and having a binodal molecular weight of approximately 1-5×10 \*\*6 and 2-5×10 \*\*5 useful as fluidity improvers and wax deposit inhibitors which comprises polymerising by known method the alkyl acrylate mixtures wherein alkyl group in the alkyl acrylate used having at least 18 carbon atoms, utleast 50 weight percent of the said alkyl group having 20-24 carbon atoms and 40—45% of 18 carbon atoms and balance of 16 and 20 carbon atoms in the presence of a known free radical polymerization catalyst at a temperature in the range of 50—150°C in an inert atmosphere.

Compl. Specn. 12 pages

Drgns, sheet nil

Ind. Cl.: 140B

184294

Int. Cl.4: C 10 M, 145/10

"A PETROLEUM CRUDE OIL COMPOSITION HAVING IMPROVED POUR AND FLOWABILITY CHARACTERISTICS AT LOW TEMPERATURES AND HAVING LOW DEPOSITIONAL TENDENCIES".

Applicant: COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH. RAFI MARG, NEW DELHI-110001, (INDIA), AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventor(s):

KOSURU VENKATESWARA RAO-INDIA, SHASHI DHAR BARUAH—INDIA, ARUN BORTHAKUR—INDIA, SUBHASH RANJAN DUTTA CHOUDHURY—INDIA, NARAYAN CHANDRA LASKAR—INDIA,

BULUSU SUBRAHMANYAM—INDIA.

Application for Patent No. 16/Del/93 filed on 08-01-93.

Divisional out of Patent Application No. 348/Del/89 filed on 19-04 89.

Ante dated to 19-04-89.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972). Patent Office Branch, New Delhi-110 005.

## 2 Claims

A petroleum crude oil composition having improved pour and flowability characteristics at low temperature and having low depositional tendencies comprising mix ng a petroleum oil of the group consisting of a crude oil having undesirable pour and flowability characteristics at low temperature with 0.01 to 2% by weight of crude oil, a copolymer of n-alkyl acrylate prepared by the process as herein described.

(Compl. Specn. : 13 Pages;

Drg. Sheets: Nil)

Ind. Cl.: 140B

184295

Int. Cl.4: C 10 M, 145/00

"A PETROLEUM CRUDE OIL COMPOSITION HAVING IMPROVED POUR AND FLOWABILITY CHARACTERISTICS AT LOW TEMPERATURES AND HAVING LOW DEPOSITIONAL TENDENCIES".

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001. (INDIA) AN INDIAN REGISTERED BODY, INCORPORATED UNDER REGISTRATION OF SOCIETIES ACT.

Inventor(s):

KOSURU VENKATESWARA RAO—INDIA, SHASHI DHAR BARUAH—INDIA, ARUN BORTHAKUR—INDIA, SUBHASH RANJAN DUTTA CHOUDHURY—INDIA, NARAYAN CHANDRA LASKAR—INDIA, BUŁUSU SUBRAHMANYAM—INDIA.

Application for Patent No. 17/Del/93 filed on 08-01-93.

Divisional out of Patent Application No. 348/Del/89 filed on 19-04-89.

Ante dated to 19-04-89.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

#### 2 Claims

A Petroleum crude oil composition having improved pour and flowability characteristics at low temperatures and having low depositional tendencies comprising mixing a petroleum oil of the group consisting of a crude oil having undesirable pour & flowab.lity characteristics at low temperature with 0.01 to 2% by weight of crude oil interpolymer of n-alkyl acrylate & vinyl easter of lower fatty acid prepared by the process as herein described under stirring.

(Compl. Specn. : 13 Pages;

Drg. Sheet: Nil)

Ind. Cl.:  $55E_4$ ,  $60x_42$ ,  $32F_2b$ 

184296

Int. Cl.4: A 61 K 31/00, C 07 D 213/00

"AN IMPROVED PROCESS FOR THE PREPARATION OF BETA THIAMIDINE".

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI, INDIA. AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventor(s):

ALLA VENKATA RAMA RAO—INDIA, MUKUND KESHAVO GURJAR—INDIA, SISTA VENKATA SAI LALITHA—INDIA.

Kind of Application . Complete.

Application for Patent No. 344/Dei/94 filed on 29-03-94.

Appropriate office for opposition proceedings (Rule 4. Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

## 13 Claims

An improved process for the preparation of beta-thymidine of the formula II where Me represents methyl group which comprises:—

(a) Deacylating by conventional method, the 1, 2, 3tri-o-acyl-xylothymidine of the formula VIII where R represents acetyl group.

R<sup>2</sup> represents benzoyl or acetyl group and Me represents methyl group to produce deprotected xylothymidine of formula IX

X

(b) Reflux condensing the deprotected xylothymidine of the formula IX with condensing agent such as dialkyl or diaryl carbonate in the presence of an alkali base and polar non-protic organic solvent to yield 2, 2' anhydrothymidine of the formula X where Me represents methyl group.

(c) Brominating the 2, 2'-anhydrothymidine of the formula X as defined above by conventional method to afford 2'-bromo derivative of the formula XIV where R represents hydrogen or acetyl group, Br represents bromine and Me represent, methyl group.

(d) Reducing the 2'-bromo derivative of the formula XIV by conventional methods to yield betathymidine of the formula II or optionally obtaining diacetyl derivative of formula XV from formula XIV by conventional methods.

(e) Deacylating the acetyl derivative of the formula XV obtained in step (d) where Ac represents an acetyl group by conventional methods to yield beta-thymidine of the formula II where Me represents methyl group.

(Compl. Specn. : 13 Pages;

Drg.: 2 Sheets)

Ind. Cl.: 60 x 2 b

184297

Int. Cl.4: A 61K 9/22

A PROCESS FOR THE PREPARATION OF MOULDED POLYMER FOR CONTROLLED RELEASE OF CHEMICALLY ACTIVE AGENT.

Applicant:

COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA.

Inventor(s):

MOHAN GOPALKRISHNA KULKARNI, INDIAN NANDA BHAUSAHEB GHORPADE, INDIAN

Kind of Application: Complete.

Application for Patent No. 1258/Del/94 filed on 5-10-94.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

# 9 Claims

A process for the preparation of moulded polymer for controlled release of chemically active agent which comprises moulding the novel trifunctional imido acid based perous polymer optionally containing chemically linked active agent, prepared by the process as herein described by conventional methods such as herein described to desired shapes such as slabs, discs micro-spheres pellets then contacting with a buffer optionally containing chemically active agent to be released having pH between 2-11 at 35 to 40°C to get a polymer where in an active agent must be present either with polymer or with buffer for controlled release of the said active agent.

(Compl.: 20 pages;

Drwgs. : 4 sheets)

Ind. Cl.: 32 F(2a)

184298

Int. Cl.4: C 07 K, 3/00

PROCESS OF PREPARING TRANSFER VECTORS PCBTI TO pCBT4 FOR THE PURPOSE OF EXPRESSING PROTEINS FOR COMMERCIAL USE".

Applicant: CENTRE FOR BIOCHEMICAL TECHNO-LOGY (CSIR) OF DELHI UNIVERSITY CAMPUS, MALL ROAD, DELHI-110007 AND THE DEPARTMENT OF BIOTECHNOLOGY, MINISTRY OF SCIENCE AND TECHNOLOGY, GOVERNMENT OF INDIA, CGO COMPLEX, NEW DELHI-110003, INDIA.

Inventor(s)

DR. RAKHA HARI DAS—INDIAN, ARUNA KUMARI BEHERA—INDIAN, ANJU BANSAL—INDIAN, DR. OM BILAS BANSAL—INDIAN AND MUKESH KUMAR—INDIAN.

Kind of Application: Provisional-Complete.

Application for Patent No. 1824/Del/95 filed on 05-01-95.

Complete left after provisional specification filed on 16-10-96.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

#### 3 Claims

A process for producing commercially important proteins such as b-galactospidase, peanut agglutinin comprising:

- constructing tarnsfer vectors pCBT(x) wherein x is 1 to 4 as herein described by identifying the polyhedrin gene of spodoptera litura nuclear polyhedrosis virus (SINPV) by DNA-DNA and DNA-RNA hybridizations,
- isolating and cloning of said SINPV polyhedrin gene in plasmid pBR328 and designating it as pAB 77.
- characterizing the said polyhedrin gene of SINPV by DNA sequencing,
- inserting SINPV DNA sequence containing part of the N-terminal coding, promoter, an upstream promoter sequences into pVL 1393 after removing the polyhedrin promoter of Autographa californica nuclear polyhedrosis virus (AcNPV) to generate pCBT transfer vectors,
- obtaining recombinant transfer vector by inserting the coding sequence of the foreign gene at the cloning site of said pCBT transfer vector,
  - co-transfaction of the transfer vector DNA with wild type AcNPV DNA in the insect cell line to get the recombinant AcNPV,
  - plaque purification of recmobinant Sl.AcNPV,
  - infection of the insect cell line by plaque purified recombinant virus to express the foreign gene in terms of protein under SINPV polyhedrin promoter,
  - isolation and purification of the said protein for commercial use by known procedures.

(Provl. Specn. : 7 pages;

Drwg. sheet Nil). Drg.: 6 sheets)

Compl. Specn. : 8 pages;

,

ind. Cl. . 55 lbs.

184299

Int. Cl. : A 1 K 31/00.

A PROCESS FOR FREPARING PHARMACEUTICAL COMPOSITON FOR THE CONTROL OF KINASE DEPENDENT DISEASES.

Applicant: COR THURAPEUTICS INC., A CORPORATION OF THE STATE OF CALIFORNIA OF 256 EAST GRANUE, AVENUE, SOUTH SAN FRANCISCO, CALIFORNIA 94080, U.S.A.

Inventors

- 1. NIEL A. GIESE, U.S.A. AND
- 2. NATAHLIE LOKKER, U.S.A.

Kind of Application: Complete.

Application for Patent No. 1928/Del/1995 filed on 19th Oct. 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-

# 8 Claims

A process for preparing a pharmaceutical composition for the control of kinase dependent diseases in mammals comprising dispersing compound of

or its pharmaceutically acceptable salts wherein :

R; is H, lewer alkyl or lower alkanoyl;

Ra is H. lower alkyl or lower alkanoyl;

R<sub>1</sub> and R<sub>4</sub> together represent a cis double bond or-rO-or each of R<sub>1</sub> and R<sub>4</sub> independently represents H or OR;

 $R_5$  is  $\equiv O_1 \equiv S$  or -H-OR;

 $R_6$  and  $R_7$  together represent a double bond or-0-or each of  $R_6$  and  $R_7$  independently represents H or OR;

Rs and Ro together represent a double bond or-0-each of

R<sub>3</sub> and R<sub>9</sub> independently represents H or OR and

Each R independently represents H, lower alkyl or lower alkanoyl with a dispersion medium of the kind such as herein described, the weight ratio of the carrier to the active ingredient ranging between 1:4 to 4.1.

(Compl. Speen, 31 Pages,

Drings, 2 Sheets.)

Ind. Cl.: 40F.

184300

Int. Cl. + C 07 D 311/40.

AN IMPROVED PROCESS FOR PREPARATION OF FLAVONOIDS FROM OCIMUM SANCTUM (KRISHNA TULSI).

Applicant: THE CHIEF CONTROLLER RESEARCH & DEVELOPMENT, MINISTRY OF DEFENCE, GOVERN-MENT OF INDIA, TECHNICAL COORDN. DTE., B-341, SENA BHAWAN, DHQ P.O. NEW DELHI-110 011, INDIA.

Inventors:

- 1. PATHIRISSERI UMA DEVI, INDIA
- .2. ADIKESAVAN GANASOVNDARI, INDIA
- 3. KELOTH KAITHERI SRINIVASAN, INDIA.

Kind of Application: Complete.

Application for Patent No. 1543/Del/1996 filed on 11-7-1996.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

#### 8 Claims

A process for the preparation of flavonoids from ocimum sanctus (Ki ishna Tulsi) comprising in the steps of :--

- (a) Cleaning and drying the leaves of ocimum sanctum.
- (b) Preparing the powder of said dried leaves and refluxing the same with distilled water at the temperature of 80−90℃,
- (c) Decanting said solution followed by the step of cooling.
- (d) Repeating the step of refluxing and decanting for exhaustive extraction of the desired components,
- (e) Subjecting said decanted solution to the step of concontration under reduced pressure till a syrupy consistency being obtained,
- (f) Subjecting the concentrated extract to the steps of shaking/filtration with petrol ether, benzene and ch'oroform respectively,
- (g) Shaking the upper layer obtained after shaking with ch'oroform with methanolic ethyl acetate repetitively and collecting the upper organic layer every time,

- (h) Pooling together said upper organic layers collected from such repetitive steps and washing the same with distilled water,
- (1) Subjecting the organic part obtained after washing to the step of drying and concentration,
- (j) Dissolving the concentrate so obtained in distilled water and pouring the same over polyvinyl pyrrolidone column and eluting the same with distilled water, and then with mehanol in water and finally with methanol and collecting each fraction separately and concentrating each fraction under reduced pressure.
- (k) Spetting the concentrated solution by running a preparative chromotogram on filter paper using 15% acitic acid as solvent and methanol for spotting followed by the step or drying,
- (1) Cutting the paper portion corresponding to the RS value 0.17 (orientin) and 0.48 (Vicenin) and eluting said separated components with methanol which is then concentrated and dried separately to obtain pure compounds of orientin and vicenin.

(Compl. Specn. 13 Pages;

Drng, Nil Sheet)

#### AMENDMENT PROCEEDING UNDER SECTION, 57

The amendments proposed by GLITSCH INC., in respect of Patent Application No. 182165 (694/Cal/94) as advertised in Part-II, Section 2 of the Gazette of India on 4-12-99 and no opposition being filed within the stipulated period, the said amendments have been allowed.

The amendments proposed by GLITSCH INC., in respect of Patent Application No. 182793 (170/Cal/95) as advertised in Part-III, Section 2 of t'e Gazette of India on 4-12-99 and no opposition being filed within the stipulated period, the said amendments have been allowed.

# CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

In pursuance of leave granted under Section 20(1) of the Patents Act, 1970 application No. £44/Cal/93 (181641) made by Eaton Corporation has been allowed to proceed in the name of Dana Corporation.

In pursuance of leave granted under Section 20(1) of the Patents Act, 1970 application No. 1080/Cal/97 (183358) made by Hoechst AG has been allowed to proceed in the name of Clariant GmbH.

# RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 178538 granted to RALLIS INDIA LIMITED for an invention relating to a process for the preparation of the insecticidial enantiametric etc.

The Paient ceased on the 12-6-99 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 22nd July 2000.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 14 in duplicate with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 29-9-2000 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seaks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 179639 granted to Carborundum Universal Ltd. for an invention relating to a process for manufacturing a granding wheel.

The Patent ceased on the 16-o-2000 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 22nd July 2000.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 14 in duplicate with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 29-9-2000 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seaks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 180809 granted to Dr. K. Koteswara Rao. for an invention relating to a process for producing Hepatitis 'B' Antigen.

The Patent ceased on the 18-8-2000 due to non-payment of renewal fees within the prescribed time, and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 22nd July 2000.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 14 in duplicate with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 29-9-2000 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seaks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 181684 granted to Parkamahamsa Tewari, for an invention relating to High efficiency machine to generate loco DC Voltage & high current.

The Patent ceased on the 25-5-2000 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 22nd July 2000.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 14 in duplicate with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 29-9-2000 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seaks, shall be filed with the notice or within one month from the date of the notice.

#### RENEWAL FEES PAID

# PATENT SEALED ON 30-06-2000

181747\* 183169 183358 183398 183400 183401 183402 183404 183405\* 183406 183407 183408\*D 183409\*D 183410\* 183411 183413 183414\* 183415\* 183416\* 183418 183419 183420

## CAL-13, DEL-08, MUM-01, CHEN-NIL

\*Patent shall be deemed to be endorsed with words LICENCE OF RIGHT Under Section 87 of the Patents Act., 1970 from the date of expiration of three years from the date of sealing.

D-Drug Patents

F-Food Patents.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 03. No's. 181201 & 181202, Jay Enterprises of Mustafa Market, 90 Feet Road, Sakinaka, Andheri(E), Mumbai-400 072, Maharashtra, India, Indian Partnership firm. "MCB BOX FOR AIR CONDITIONER", 30 December 1999.

- Class 03. No. 181203, Jay Enterprises of Mustafa Market, 90 Feet Road, Sakinaka, Andheri(E), Mumbai-400 072, Maharashtra, India, Indian Partnership firm, "TERMINAL FOR POWER EXTENSION CORD", 30 December 1999.
- Class 03. No. 181204, M/s. Kaushambi Investment & Leasing Co. Ltd., D-Block, 14/5, Okhla Industrial Area, Phase-I, New Delhi-110 020, An Indian Company. "WATER PURIFIER", 31 December 1999.
- Class 03. No. 181205, Merz & Krell GmbH & Company, of Bahnhofstrasse 76, 64401 Cross-Bieberau, Germany, German Company. "BALL PEN", 31 December 1999.

- Class 03. 181263, M/s. Vishesh Enterprises, an Indian proprietory firm, A/204, Claridge, Samarth Nagar, Cross Road No. 3, Lokhandwala Complex, Andberi (E), Mumbai-400053, Maharashtra, India. "TOOTH BRUSH", 10 January 2000.
- Class 03. No's. 180657 & 180658, Mold Tek Plastics Ltd., Indian Company, 303, C-Block, 7-1-27, Srinivasa Complex, Ameerpet, Hyderabad-500016, A.P., India. "CONTAINER WITHOUT LTD.", 26 October 1999.
- Class 12. No's. 181240 to 181247, S/Shri Saurabh Kapoor and Gaurav Kapoor (Indian) trading as M/s. Jawhar Enterprises, Indian company, 1/1112/3, Bara Bazaar, Kashmere Gate, Delhi-110006, India. "CAR DASH BOARD", 5 January 2000.

N. R. SETH Dy. Controller of Patents & Designs.